



# **TAMIL NADU GOVERNMENT GAZETTE**

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## **Part VI—Section 2**

## **Notifications of interest to a section of the public issued by Heads of Departments, etc.**

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## NOTIFICATIONS BY HEADS OF DEPARTMENTS, ETC.

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TAMIL NADU ELECTRICITY REGULATORY COMMISSION, CHENNAI-600 032

**The Tamil Nadu Electricity Regulatory Commission (Grid Interactive Solar PV Energy Generating Systems) Regulations, 2021.**

(Notification No. TNERC/GISS Regn.23-1/Dated 07.10.2021)

(Lr. No. TNERC/DD(L)/F.Notification/D.No. 708/2021)

No. VI(2)/108/2021.

WHEREAS under Section 61 of the Electricity Act, 2003 (Central Act 36 of 2003) the State Electricity Regulatory Commission shall specify the terms and conditions for the determination of tariff;

AND WHEREAS the regulations providing for the terms and conditions for determination of tariff shall be subject to previous publication and accordingly undergone previous publication;

AND WHEREAS the Government of India has notified the Electricity (Rights of Consumers) Rules, 2020 and further notified the Electricity (Rights of Consumers) Amendment Rules, 2021 in exercise of powers conferred by Section 176 of the Electricity Act 2003 requiring the State Commissions to lay down regulations;

NOW, THEREFORE, in exercise of the powers conferred under Section 61(h) read with Section 86(1)(e) and Section 181 of the said Electricity Act, 2003, and all other powers enabling it in that behalf, the Tamil Nadu Electricity Regulatory Commission hereby makes the following regulations.

### REGULATIONS

#### **1. Short title, and commencement**

- 1.1 These Regulations may be called the Tamil Nadu Electricity Regulatory Commission (Grid Interactive Solar PV Energy Generating Systems) (GISS) Regulations, 2021.
- 1.2 These Regulations shall extend to the whole of the State of Tamil Nadu.
- 1.3 These Regulations shall be applicable for loads of less than 1MW
- 1.4 These Regulation are applicable to eligible consumers, prosumers and generators.
- 1.5 These Regulations shall come into force from the date of the publication in the *Tamil Nadu Government Gazette*.

#### **2. Definitions**

##### 2.1. In these Regulations, unless the context otherwise requires,

- (a) “**Act**” means the Electricity Act, 2003 (36 of 2003) as amended from time to time ;
- (b) “**Agreement**” means a connection agreement entered into between the Distribution Licensee and the consumer / prosumer / generator;
- (c) “**Area of supply**” means the geographic area within which the licensee, for the time being, is authorized by its License to supply electricity;
- (d) “**Billing Cycle**” or “**Billing Period**” means the period for which the electricity bill is raised by the concerned Distribution Licensee;
- (e) “**Check Meter**” means a meter, used for accounting and billing of electricity in case of failure of Net Meter or Solar Generation Meter;
- (f) “**Commission**” means the Tamil Nadu Electricity Regulatory Commission constituted under the Act;
- (g) “**Contracted Load or Sanctioned Load**” means the load specified in the agreement between the consumer and the Licensee engaged in the business of supplying electricity to him;
- (h) “**Contracted demand** ” means the demand specified in the agreement between the consumer and the Licensee engaged in the business of supplying electricity to him;

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- (i) "**Contracted capacity**" means the solar plant capacity (capacity of GISS) sanctioned by the licensee and included in the contracted agreement signed between the licensee and the eligible consumer / prosumer / generator;
- (j) "**Days**" means clear working days;
- (k) "**Distribution licensee**" or "**licensee**" means a person granted a license under Section 14 of the Act authorizing him to operate and maintain a distribution system for supplying electricity to the consumers in his area of supply;
- (l) "**Electricity Supply Code**" means the Tamil Nadu Electricity Supply Code, 2004 and subsequent amendments thereof;
- (m) "**Eligible Consumer**" means a consumer of electricity in the area of supply of the Distribution Licensee who uses or intends to use a Grid Interactive Solar PV System having a capacity less than 1 MW, subject to conditions in capacity / category / voltage level specified in the regulations;
- (n) "**Generic Tariff**" means the Generic Tariff approved or adopted by the Commission for generation from different Renewable Energy sources in accordance with the Tamil Nadu Electricity Regulatory Commission (Power Procurement from New and Renewable Sources of Energy Regulations, 2008) as amended from time to time;
- (o) "**Generator**" means any person or company or body corporate or association or body of individuals, whether incorporated or not, or artificial juridical person, which owns or operates or maintains a generating station;
- (p) "**Generate**" means to produce electricity from a generating station for the purpose of giving supply to any premises or enabling a supply to be so given;
- (q) "**Generating Station**" or "**Station**" means any station for generating electricity, including any building and plant with step-up transformer, switchgear, switch yard, cables or other appurtenant equipment, if any, used for that purpose and the site thereof;
- (r) "**Financial Year**" or "**Year**" means the period beginning from first (1st) of April in an English calendar year and ending on thirty first (31st) of March of the next year;
- (s) **GISS** means "**Grid Interactive Solar Photovoltaic Energy Generating Plant / System**" installed on the rooftops or land of consumer / prosumer / generator premises that uses sunlight for direct conversion into electricity through photo voltaic technology;
- (t) "**Gross-metering**" means a mechanism whereby the total solar energy generated from Grid Interactive Solar Photovoltaic system of a prosumer and the total energy consumed by the prosumer are accounted separately through appropriate metering arrangements and for the billing purpose, the total energy consumed by the prosumer is accounted at the applicable retail tariff and total solar power generated is accounted for at feed-in tariff determined by the Commission;
- (u) "**Inter-connection Point**" means the interface of the GISS with the outgoing terminals of the meter / Distribution Licensee's cut-outs/switchgear fixed in the premises of the Eligible Consumer:

Provided that, in the case of an Eligible Consumer connected at the High Tension ('HT') level, the 'Inter-connection Point' shall mean the interface of the GISS with the outgoing terminals of the Distribution Licensee's metering cubicle placed before such Consumer's apparatus;
- (v) "**kWp**" means kilo Watt peak; "**MWp**" means Mega Watt peak;
- (w) "**Net meter**" or "**bidirectional meter**" means an energy meter which is capable of recording both import and export of electricity;
- (x) "**Net-metering**" means a mechanism whereby solar energy exported to the Grid from Grid Interactive Solar Photovoltaic system of a Prosumer is deducted from energy imported from the Grid in units (kWh) to arrive at the net imported or exported energy and the net energy import or export is billed or credited or carried-over by the distribution licensee on the basis of the applicable retail tariff by using a single bidirectional energy meter for net-metering at the point of supply;

- (y) “**Net work charges**” means and includes all charges besides incidental charges incurred by the Licensee for creating, developing and maintaining the network for its functions and operations that includes providing the essential grid support to the Grid interactive Renewable Energy Systems for its dependant parallel operation without which such Grid interactive system cannot operate independently;
- (z) “**Net-billing or Net feed-in**” means a single bidirectional meter used for net-billing or net feed-in at the point of supply Grid Interactive Solar PV Energy Generating Systems are valued at two different tariffs, Where-
  - (i) the monetary value of the imported energy is based on the applicable retail tariff;
  - (ii) the monetary value of the exported solar energy is based on feed-in tariff determined by the Commission;
  - (iii) The monetary value of the exported energy is deducted from the monetary value of the imported energy to arrive at the net amount to be billed ( or credited / carried over );
- (aa) “**Obligated Entity**” means an entity required to fulfill a Renewable Purchase Obligation ('RPO') as specified by the Commission in Regulations governing such Obligation ('the RPO Regulations');
- (ab) “**Prosumer**” means a person who consumes electricity from the grid and can also inject electricity into the grid for distribution licensee, using same point of supply;
- (ac) “**Premises**” means and includes roof-tops or any areas on the land, building or infrastructure or part or combination thereof in respect of which a separate meter has been provided by the Distribution Licensee for the supply of electricity;
- (ad) “**Renewable Energy Generation Meter**” means a unidirectional energy meter installed at the point at which the electricity generated by solar energy generating system for the purpose of accounting and settlement:  
Provided that a separate Renewable Energy Generation Meter shall be installed for each source of Renewable Energy in case of hybrid or combination of such sources;
- (ae) “**Renewable Energy Certificate**” shall be as defined in Tamil Nadu Electricity Regulatory Commission (Renewable Purchase Obligation) Regulations, 2010;
- (af) “**Settlement Period**” means the period beginning from the first day of April of a calendar year and ending with the thirty-first day of March of the following calendar year:  
Provided for a newly commissioned solar power system, the first settlement period shall be from the date of commissioning to March of next year;

Words and expressions used in these Regulations which are not specifically defined herein but are defined in the Act shall have the meaning assigned to them in the Act; and if not defined in the Act, shall have the meaning assigned to them in any Act of Parliament or the State Legislature applicable to the electricity industry;

### 3. Scope and Applicability

- 3.1 These Regulations shall apply to the distribution licensee and consumers of electricity of distribution licensee availing supply from it in its area of supply and generators setting up GISS based solar power generating station in the State of Tamil Nadu;
- 3.2 These Regulations shall be applicable to all Grid Interactive Solar PV Energy Generating Systems for which applications are preferred after notification of this regulation;
- 3.3 The Eligible Consumer and generator may install GISS (Grid Interactive Solar PV Energy Generating System) based solar power generating station under net-metering or net-billing or gross-metering arrangement which,
  - (a) shall be within the permissible rated capacity as defined under these Regulations;
  - (b) shall interconnect and operate safely in parallel with the distribution licensee network in accordance with all relevant codes and regulations;

#### 4. Eligible consumers, generators and individual project capacity

4.1 The capacity of the GISS (Grid Interactive Solar PV Energy Generating System) shall be represented by AC output capacity and shall be reckoned by the recorded demand in the Gross generation meter;

4.2 **Net-metering :** All domestic consumers are eligible for Net metering mechanism up to the level of sanctioned load/ contracted demand of their service connection irrespective of voltage level;

- (i) Domestic consumers have an additional option of choosing the net- feed in Mechanism;
- (ii) Domestic consumers who have been provided with the solar net-feed in facility shall have option to migrate to the solar net-metering mechanism;

4.3 **Net billing or Net feed-in :** All categories of consumers (except Hut & Agriculture) irrespective of load, tariff and voltage level are eligible for net-billing or net feed-in mechanism up to the level of sanctioned load / contracted demand of their service connection (or) 999kW whichever is lower;

4.4 **Gross- metering:** The existing and new consumers of all categories except Low Tension category up to 150 kW and generators are eligible for gross metering mechanism irrespective of tariff. The minimum size of the Solar System that can be set up under Gross Metering mechanism shall be 151 kW up to a maximum capacity of 999 kW;

- (i) New consumers or generators who desire to set up GISS based solar power generating station in a premises or an open area and sell entire generated power to Licensee are eligible for gross metering mechanism up to a maximum capacity of 999 kW. The sanctioned load/ contracted demand do not arise for such cases. If power from grid is required for purposes like security in night hours etc., the same shall be eligible with separate accounting and billing under appropriate retail tariff:  
Provided that the installation of gross-metered GISS on the eligible consumer premises intending to inject its total generated power from generating station into the Licensee grid shall use separate service line for evacuation of power to the nearest High Tension network. Such service line for evacuation of power up to the nearest HT network of same voltage including any building and plant with step-up transformer, switchgear, switch yard, cables or other appurtenant equipment, if any, used for that purpose shall be laid and maintained by the eligible consumer at his own cost:
- (ii) The eligible consumer/generator shall facilitate the Licensee to remotely control the incoming switch and breaker to the GISS station for instant operation during emergency to ensure safety and grid stability. The eligible consumer/generator shall also provide Automatic Meter Reading facility;

4.5 The Solar plant capacity in all categories shall be represented by the output capacity on AC side;

4.6 Addition of capacity of DC panel is left to the option of eligible consumer / prosumer / generator to the extent of the sanctioned GISS plant capacity (AC output capacity) which will be reckoned by the AC output demand reached and recorded in the Gross Generation meter for the given billing cycle. For less than 10 kW system the demand reached shall be assessed from the inverter reading;

4.7 The applicant shall be a consumer of the local distribution licensee and own or in legal possession of the premises including the rooftop or terrace or building or infrastructure or open areas of the land or part or combination thereof on which the Solar PV System is proposed to be installed. Possession resulting from rent or lease agreement shall also be included within the meaning of legal possession;

4.8 Existing prosumers of all categories or generator are eligible for additional capacities of the respective GISS subject to the condition that the net load after addition, shall not exceed the ceiling limit stipulated in this regulation;

4.9 Consumers with pending arrears / outstanding due with the Distribution Licensee shall not be eligible for provisions under this regulation;

#### 5. Metering arrangement

5.1 **Net-metering mechanism and Net billing or feed-in mechanism:** An eligible consumer under the net metering or Net billing or feed-in mechanism shall be entitled to use the power generated from the GISS at his premises and the surplus injected to the distribution system of the Licensee at the interconnection point;

At service connection point, a single bidirectional energy meter to record the energy import from the licensee grid and energy export to the licensee grid shall be provided. This shall be a digital four

quadrant vector summation energy meter configured for bidirectional energy measurement whereby both imported and exported active energy readings and allied parameters are programmed to be displayed. If the eligible consumer is within the ambit of Time-of-Day (ToD) Tariff, the bidirectional energy meter to be provided shall have programmable ToD (time-of-the-day) registers with a minimum of four energy import ToD registers and four energy export ToD registers;

- 5.2 **Gross-metering mechanism:** A renewable energy generation meter to record the gross solar energy generation shall be provided. This meter is to be installed immediately after the solar grid inverter. If the eligible consumer or generator is within the ambit of Time-of-Day (ToD) Tariff, the energy meter shall have programmable ToD (time-of-the-day) registers with a minimum of four energy export ToD registers. The total solar power generated is accounted for feed-in tariff determined by the Commission from time to time. The energy consumed from Licensee grid if any by the prosumer or generator shall be metered and accounted separately under applicable retail tariff;
- 5.3 In case of multiple GISS units under one service connection, individual generation meter for each inverter /set of inverters in each spot/place/building of the premise shall be installed. The readings of the generation meters shall be assessed individually to be added together (both energy and demand recorded for each billing cycle) to one value of gross generation to be reckoned as the unit consumed and demand reached for the respective billing cycle of the service connection concerned for all billing purpose;
- 5.4 For consumers up to the sanctioned load of 10 kW, the generation of solar energy shall be computed based on the stipulated CUF or energy recorded in the inverter which ever is lower in lieu of installation of gross meter for such assessment. If any dispute arises over such method of computation of energy and assessment of demand, the aggrieved party can install the generation meter at his cost to enable actual assessment of readings relating to the generation;
- 5.5 For existing consumers of more than 10 kW the Licensee shall issue notice to consumer to install the generation meter of required capacity, facility and specification. Till the meter is installed the generation shall be assessed based on CUF for the purpose of collecting network charges and RPO. For new applicants of more than 10 kW, the generation meter with demand recording facility shall be installed at the cost of the applicant as a part of GISS system. For Gross generation metering, a four quadrant TOD meter with AMR facility shall be installed at the cost of the applicant. The rating and specification of the generation meter shall be communicated to the applicant by the Licensee along with the sanction/ approval of the load/connectivity;
- 5.6 HT (11 kV and above) Consumers may install and connect Renewable Energy Generating System at their LT Bus Bar System:

Provided that, in such cases, the bi-directional Meter shall be installed on the HT side of the Consumer's Transformer;

- 5.7 Energy meters shall be of class 1.0 accuracy and shall comply with applicable CEA (Central Electricity Authority) and BIS (Bureau of Indian Standards) standards;

## **6. Billing and accounting process**

### **6.1 Net metering :**

- 6.2 The solar energy exported to the Grid from grid connected solar photovoltaic system is deducted from energy imported from the grid in units to arrive at the net imported or exported energy. The net imported or exported energy is billed or credited or carried over on the basis of the retail tariff. This process shall continue until the end of the settlement period. At the end of the settlement period, credit i.e the net units of surplus generation available if any shall get lapsed;
- 6.3 In case the Eligible Consumer is within the ambit of Time of Day (ToD) tariff, the electricity consumption in any time slot, i.e. peak hours, off-peak hours, etc., shall be first compensated with the quantum of electricity injected in the same time slot; any excess injection over and above the consumption in any other time slot in a Billing Cycle shall be accounted as if the excess injection had occurred during off-peak hours;

### **6.4 Net billing or Net feed-in:**

- 6.5 The monetary value of the imported energy is debited based on the applicable retail tariff; The monetary value of the exported energy is credited based on the feed-in tariff determined by the Commission. The monetary value of the exported energy is deducted from the monetary value of imported energy to arrive

at the net amount to be billed. If the cumulative credit amount exceeds the debit amount during any billing cycle, the net credit is carried over to the next billing cycle. At the end of a 12-month settlement period, the consumer has the option to receive payment of the net credit balance (if any) or have such credit balance carried-over to the next settlement period;

#### 6.6 Gross-metering:

6.7 Gross metering is permitted for eligible consumer or generator who opt to sell all generated solar energy to the distribution licensee. An eligible consumer or generator under the gross metering scheme shall inject the entire power generated from the GISS station to the distribution system of the distribution licensee to the nearest HT network of same voltage. The exported solar energy is credited at the feed-in tariff determined by the Commission. The amount is credited in the Generator/consumers electricity bill for every billing cycle or paid to the solar generator/ GISS station owner if the generator/ station owner is not a consumer;

6.8 Net work charges are leviable for the total energy generated in Net metering and Net billing or Net feed-in mechanisms. Net work charges are not applicable to Gross metering mechanism;

#### 6.9 General:

(i) Any other charges determined by the Commission from time to time shall be leviable to the eligible consumer/prosumer/generator;

6.10 For the purpose of billing the import, export and net energy, the units and other allied parameters recorded in the respective import and export and net register of the consumer bidirectional meter shall be reckoned respectively. The maximum demand recorded in the gross generation meter or inverter, as the case may be, shall not exceed the sanctioned/ contracted plant capacity of GISS in any billing cycle. If the demand exceeds the sanctioned limit in any billing cycle, the quantum of exported units recorded in the bi-directional meter during the respective demand integration period (DIP) in case of gross metering and respective billing cycle in case of net-metering and net billing, proportionate to the portion of demand that exceeded over the sanctioned limit, shall be treated as inadvertent injection in to the grid and shall not be eligible for payment by the Licensee;

### 7. Technical Requirements

7.1 The Distribution Licensee shall permit Net metering or Net feed-in or Gross metering arrangement, as the case may be, on a non-discriminatory and Distribution Transformer wise 'first come, first serve' basis to Eligible Consumers who have installed or intend to install Grid Interactive Solar energy Generating System (GISS) connected to the Network of such Distribution Licensee. The interconnection with the Licensee grid shall conform to the standards as provided in CEA (Technical Standards for Connectivity to the Grid) Regulation, 2007 as amended from time to time and CEA (Technical Standard for Connectivity of the Distributed Generation Resources) Regulation, 2013 as amended from time to time, Grid Codes and the Tamil Nadu Electricity Distribution Code as amended from time to time as applicable;

7.2 The distribution licensee will enhance and update its metering and billing system in line with the requirement of this regulation such that relevant parameters pertaining to billing and payment under all metering mechanisms are properly assessed and clearly furnished in the electricity consumers' bills. Distribution licensees will make available online all of the above billing data for each consumer, along with a sample bill explaining the various billing components;

7.3 The solar plant capacity shall not exceed the sanctioned load/contracted demand;

7.4 The cumulative capacity of solar PV systems under net metering or net billing put together connected to a distribution transformer, shall not exceed 90% of the distribution transformer capacity;

7.5 The cumulative capacity of all Solar generating systems under Gross Metering mechanism in case of HT connected to a Power transformer shall not exceed 70% of the Power Transformer capacity;

7.6 Distribution licensees shall update the status of the cumulative solar energy system capacity connected and solar energy generated by each system at each distribution transformers on their website every month;

7.7 Where ever separate meter measuring the gross solar generation is not available at present in existing grid connected solar system of more than 10 kW, Licensee shall take prompt action to install them as mandated;

**8. Inter-Connection with the Grid, Standards and safety.**

- 8.1 In case of net metering or net billing, the interface point shall be the bi-directional meter at consumer's premises i.e., prosumer side of the meter. In case of gross metering, the interface point shall be the gross solar power generation meter installed on the licensee side. In case of net metering or net billing mechanism, the installation solar systems on eligible consumer premises will utilize the same service line and installation for injection of excess power into the grid, which is currently being used by the consumer for drawal of power from the distribution licensee. In case of gross metering mechanism, the installation of gross-metered solar systems on the eligible consumer or generator premises intending to inject its total generated power into the grid shall use separate service line for evacuation of power. Such service line up to the nearest HT network shall be laid and maintained by the eligible consumer at his own cost as laid down in regulation 4.4. Required diagram to show the scheme of such connection shall be submitted along with the application;
- 8.2 The Distribution Licensee shall ensure that the inter-connection of the Renewable Energy Generating System with its Network conforms to the specifications, standards and other provisions specified in the CEA (Technical Standard for Connectivity of the Distributed Generation Resources) Regulations, 2013, the CEA (Measures relating to Safety and Electric Supply), Regulations, 2010, and the Tamil Nadu Electricity Grid Code 2005, as amended from time to time;
- 8.3 The Eligible Consumer may install a Renewable Energy Generating System with or without storage:

Provided that, if an Eligible Consumer opts for connectivity with storage, the inverter shall have appropriate arrangement to prevent the power from flowing into the grid during the absence of grid supply to prevent electrical accidents and that an automatic as well as manual isolation switch shall also be provided;

  - (i) The Licensee shall inspect, demonstrate and satisfy himself that such safety features are provided in the service and function as stipulated to prevent battery supply feed into grid, when grid supply fails or switched off;
- 8.4 The consumer / prosumer / generator shall be responsible for the safe operation, maintenance and rectification of any defect in the Renewable Energy Generating System up to the point of bidirectional meter beyond which point such responsibility, including in respect of the meter, shall be that of the Licensee;
  - (i) For gross generation consumers/ generators such responsibility up to the point of interface with grid network shall be that of Consumer/ generator as the case may be:

Provided further that the Renewable Energy Generation Meter shall be maintained by the Distribution Licensee at the cost of prosumer;
- 8.5 In case any GISS plant is found to be running in parallel with the supply system of the distribution licensee without approval then supply of such consumer may be disconnected with 3 days notice and the supply shall be restored only after the plant is isolated from the supply system of the licensee. Such consumer may apply for GISS plant in the next financial year but his application will be kept at the bottom of the list of applicants. Such consumer will be permitted to set-up the plant only if after allotting the capacity to all successful applicants above him, there is still capacity available for allotment;
- 8.6 The Distribution Licensee shall have the right to disconnect the Renewable Energy Generating System from its network at any time in the event of any threat of accident or damage from such System to its distribution system so as to avoid any accident or damage to it:

Provided that the Distribution Licensee, considering the criticality, may call upon the Consumer to rectify the defect within a reasonable time;
- 8.7 The solar power generator and equipment shall meet the requirement specified in the CEA's (Technical Standards for connectivity of the Distributed Generation Resources) Regulations, 2013 and as amended from time to time. The responsibility of operation and maintenance of the solar Power generator including all accessories and apparatus lies with the solar power generators. The design and installation of the GISS should be equipped with appropriately rated protective devices to sense any abnormality in the system and carryout automatic isolation of the GISS from the grid. The inverters used should meet the necessary quality requirements. The protection logics should be tested before commissioning of the plant. Safety certificates for the installation should be obtained from the appropriate authorities;
- 8.8 The automatic isolation of the GISS should be ensured for no grid supply and low or over voltage conditions and within the required response time. Adequate rated fuses and fast acting circuit breakers

on input and output side of the inverters and disconnect/Isolating switches to isolate DC and AC system for maintenance shall be provided. The consumer should provide for all internal safety and protective mechanism for earthing, surge, DC ground fault, and transients etc. as per the CEA regulation/standards;

- 8.9 The inverter should be a sine wave inverter suitable for synchronizing with the distribution licensee's grid. The inverter shall have features of filtering out harmonics and other distortions before injecting the energy into the system of the Distribution Licensee;
- 8.10 Any battery backup shall be restricted to the consumer's network and the consumer shall be responsible to take adequate safety measures to prevent battery power/Diesel Generator (DG) power/backup power extending to distribution licensee's LT grid on failure of distribution licensee's grid supply;
- 8.11 To prevent back feeding and possible accidents when maintenance works are carried out by distribution licensee's personnel in his network, suitable isolator / isolating disconnect switches which can be locked by distribution licensee personnel should be provided. This is in addition to automatic sensing and isolating on grid supply failure etc and in addition to internal disconnect switches. In the event of distribution licensee LT supply failure, the GISS has to ensure that there will not be any solar power being fed to the LT grid of distribution licensee. The consumer / prosumer / generator is solely responsible for any accident to human being/animals whatsoever (fatal/non-fatal/departmental/non departmental) that may occur due to back feeding from the GISS when the grid supply is off. The distribution licensee reserves the right to disconnect the consumer installation at any time in the event of such exigencies to prevent accident or damage to men and material;
- 8.12 The consumer / prosumer / generator shall abide by all the codes and regulations issued by the CEA/ Commission to the extent applicable and in force from time to time. The consumer shall comply with CEA/TNERC/CEIG/ distribution licensee's requirements to the extent it is applicable with respect to safe, secure and reliable function of the GISS plant and the grid. The power injected into the grid shall be of the required quality in respect of wave shape, frequency, absence of DC components etc;
- 8.13 The GISS shall restrict the harmonic generation, flicker within the limit specified in the Indian Electricity Grid Code and relevant regulations issued by the Central Electricity Authority;
- 8.14 Grid Connected Renewable Energy Generating Systems connected behind the Consumer's meter, and not opting for either Net Metering Arrangement or Net Billing Arrangement, shall be allowed only after prior intimation to the respective Distribution Licensee:

Provided that the consumer / prosumer / generator shall be responsible for ensuring that all necessary safeguarding measures as specified by Central Electricity Authority (CEA) are taken;

Provided further that the Commission may determine additional Fixed Charges or Demand Charges and any other Charges for such Grid Connected systems excluding Non-fossil fuel-based Cogeneration Plants, in the retail Tariff Order, if the Distribution Licensee proposes such additional Fixed Charges or Demand Charges and any other Charges for such systems, in its retail supply Tariff Petition, supported by adequate justification;

Provided also that in case the Consumer installs Renewable Energy Generating Systems behind the Consumer's meter without prior intimation to the respective Distribution Licensee, then the total additional liabilities in terms of additional Fixed Charges or Demand Charges and any other Charges for such systems, shall be levied at twice the determined rate for such period of default;

- 8.15 The Licensee shall not be responsible for any accident resulting in injury to human beings or animals or damage to property that may occur due to back-feeding from the Renewable Energy Generating System when the grid supply is off. The Licensee shall have the right to disconnect the installation at any time in the event of such exigencies to prevent accident or damage;

## **9. Metering Infrastructure**

- 9.1 All meters installed at the Renewable Energy Generating System shall comply with the CEA (Installation and Operation of Meters) Regulations, 2006 and subsequent amendments thereof;
- 9.2 All meters shall have Advanced Metering Infrastructure (AMI) facility with RS 485 (or higher) communication port;
- 9.3 The bi-directional metering arrangement shall include a single-phase or a three-phase bi-directional meter, as may be required by the eligible consumer, located at the point of inter-connection as ascertained by the Distribution Licensee;

- 9.4 Existing Meter in the premises of the eligible Consumer shall be replaced by the bi-directional meter at the cost of the Consumer, in accordance with the provisions of the Electricity Supply Code;
- 9.5 If the eligible Consumer is within the ambit of Time-of-Day ('ToD') Tariff, both the Generation meter and bi-directional meter installed shall be capable of recording ToD consumption and generation;
- 9.6 The Distribution Licensee shall be responsible for the testing, installation, and maintenance of the metering equipment, and its adherence to the applicable standards and specifications;
- 9.7 The Eligible Consumer/ generator shall procure, at his own cost, a Renewable Energy Generation Meter conforming to the applicable CEA Regulations and install as an integral part of the system at an appropriate location to measure the energy generated from the Renewable Energy Generating System;
- 9.8 The Renewable Energy Generation Meter shall be maintained by the Distribution Licensee at the cost of the eligible consumer/ generator:

Provided the eligible consumer/generator may procure the net meter/ generation meter and present the same to the Licensee for testing and installation. In case meters are provided by the Licensee, the consumer shall pay the entire cost of the meters. No meter rent shall be charged from the consumer. The location of the meter shall be as per CEA Metering regulation. The installed meters shall be jointly inspected and thereafter sealed by the Licensee in the presence of the consumer;

- 9.9 All the meters under all mechanisms of this regulation such as Bidirectional meter, Renewable Energy Generation Meter etc., shall be installed at such locations in the premises of the Eligible Consumer that would enable easy and safe access to the Distribution Licensee for inspection and meter reading at any time;

- 9.10 In case of Renewable Energy Generating System with capacity above 20 kW, a Check Meter of appropriate class may be installed by the Distribution Licensee for the Renewable Energy Generation Meter:

Provided that installation of Check Meter shall be optional for Renewable Energy Generating System with capacity up to and including 20 kW;

- 9.11 The meter reading taken by the distribution licensee shall form the basis of commercial settlement;

#### **10. Net work / wheeling charges:**

- 10.1 Net work / wheeling charges shall be applicable to the prosumers categorised under net metering or net billing or net feed in mechanism, as determined by the Commission under regulation 70 of TNERC (Terms and conditions for determination of Tariff) Regulations, 2005, from time to time;
- 10.2 The extent of concession if any, to any category of consumers under proper justification shall be determined by the Commission from time to time;
- 10.3 The total generated units recorded in the gross generation meter to be installed for assessment of entire generation of solar power shall be reckoned for calculation of network charges;
- 10.4 The net work / wheeling charges shall be applicable for all existing and new prosumers as specified under respective category until the network charges is revised by the Commission in the next Tariff Order or in any other special order;

#### **11. General Conditions**

- 11.1 The seniority of applications under all categories of this regulation shall be considered on first come, first serve basis;
- 11.2 At the end of one-year period, the Distribution Licensee shall furnish the capacity of Solar PV system installed under Net metering, Net billing and Gross metering mechanism , the impact of such solar systems on the grid and on the other factors of the distribution licensee . Any amendment, if required, may be considered after due consideration of comments/ objections/ recommendations of the various stakeholders;
- 11.3 The Distribution Licensee shall update the Distribution Transformer-wise, Power Transformer wise capacity available and the cumulative capacity of the Renewable Energy Generating Systems installed under Net Metering / Net Feed-in / Gross Metering arrangements monthly, and provide the information on its website every month;

11.4 The Distribution Licensee shall make available the application form for new plants as well as additional capacities of existing plants and Agreement formats on its website, along with the applicable procedure within two months of notification of these Regulations;

11.5 In case the prosumer / generator leaves the system or changes the Supply Licensee, the excess electricity shall be considered in the following manner:

(a) The unadjusted units as on date of leaving the system or changing the Supply Licensee shall be compensated at the Generic Tariff, and adjusted along with the final bill settlement with the existing Supply Licensee;

(b) Any injection of electricity without entering into a new Net Metering Agreement with the new Supply Licensee shall be considered as inadvertent injection and shall not be paid for by the new Supply Licensee;

11.6 The distribution licensee will enhance and update its metering and billing system in line with the requirement of above mandates such that relevant parameters pertaining to solar energy gross generation, export, import, net units, demand etc., are assessed and furnished clearly in the electricity consumers' bills. Distribution licensees will make available online all of the above billing data for each consumer, along with a sample bill explaining the various billing components;

11.7 The distribution licensee shall implement online applications for all categories of Grid interactive solar generation scheme both for new and additional capacities. The status of all applications received online or offline shall be displayed. The licensee shall maintain section wise data base of applications received, approval status, installation and commissioning details;

## **12. Energy accounting during meter defect / failure / burnt**

12.1 In case of defective/failure/burnt condition of any meter, the Distribution Licensee shall replace the meter as specified in the Electricity Supply Code;

12.2 The electricity generated by the Renewable Energy Generating System during the period in which the meter is defective shall be determined based on the readings of the Check Meter or the reading / consumption recorded in the inverter;

12.3 In case of defect of both meter and inverter, if the recorded data are retrievable from the internal storage of the meter, billing shall be done based on the data so retrieved;

12.4 In case of data not being retrievable, the consumption during the period in which the Meter is defective shall be determined as specified in the Electricity Supply Code. The details of meter, nature of defect, action taken to retrieve the data and reason for non retrieval of data shall be documented by a competitive authority and preserved to be produced at any time in future;

## **13. Renewable Purchase Obligation**

(i) The units of solar energy generated under all categories shall qualify towards meeting the RPO of the respective GISS developer or obligated entity;

(ii) The cumulative units of solar energy generated under all categories of GISS of the entire State shall qualify towards meeting the RPO of the Distribution Licensee(s);

## **14. Eligibility under Renewable Energy Certificate mechanism**

The eligibility for issuance of renewable energy certificate shall be as per the eligibility criteria specified under Central Electricity Regulatory Commission (Terms and Conditions for recognition and issuance of Renewable Energy Certificate for Renewable Energy Generation) Regulations, 2010, as amended from time to time;

## **15. Procedure for Application and Registration**

15.1 The distribution licensee shall implement a web-based application processing system for processing the applications of GISS, for both new and additional plant capacities;

15.2 The distribution licensee shall facilitate the process for setting up GISS system at consumers' premises. In this regard, the licensee shall prominently display on its website and in all its offices, the following:

(i) detailed standardized procedure for installation & commissioning of GISS;

- (ii) a single point of contact to facilitate the eligible consumers in installation of GISS system from submission of application form to commissioning;
- (iii) complete list of documents required to be furnished along with such applications;
- (iv) applicable charges to be deposited by the applicant;
- (v) empanelled list of service providers for the benefit of consumers who want to install GISS through service providers;
- (vi) empanelled list of meter vendors;
- (vii) financial incentives to the prosumers, as applicable under various schemes and programmes of the Central and State Government;
- (viii) standard Connection Agreement(s);

15.3 The Eligible Consumer shall apply to the concerned Distribution Licensee for connectivity of the Grid Interactive Solar PV Energy Generating System with the Licensee's Network along with following registration fee either through online or submit the application in the prescribed form ( Annexed ) at the section office;

Sl.No.	Description	Registration fee
1	LT – up to 20 kW	Rs.500
2	LT – above 20 kW and up to 150 kW	Rs.500 up to 20 kW and Rs.100 thereafter for every 20 kW or part thereof.
3	HT- above 150 kW and up to 500 kW	Rs.5000
4	HT- above 500 kW to less than 1 MW	Rs.10000

15.4. In case the application form submitted in hard copy form, the same shall be scanned and uploaded on the website as soon as it is received;

15.5. Acknowledgement with the registration number for that application shall be generated and intimated to the applicant within three working days of receipt of application. In case of applications being received online, the acknowledgement with the registration number shall be generated and communicated to the applicants through email;

15.6. In case of any deficiencies in the application form, the same shall be intimated within 3 working days from the date of receipt of application. The consumer shall rectify the defects and resubmit within 7 days to retain the registration number. If the application form is not submitted with rectification within 7 days the application shall stand cancelled and the registration fee shall be forfeited;

15.7. The application shall be deemed to be received on the date of generation of acknowledgement with registration number;

15.8. The distribution licensee shall evolve technical feasibility within 15 working days from the date of registration of application;

15.9. The technical feasibility shall be conducted on the following aspects and any other factors which the licensee considers appropriate :

- i AC Voltage level at which connectivity is sought;
- ii Sanctioned Load / Contract Demand of the Applicant;
- iii Rated Output AC Voltage of the proposed Renewable Energy Generating System;
- iv Available cumulative capacity of relevant Distribution / Power Transformer;

If found technically feasible, the Distribution Licensee shall, within 5 working days of the completion of the feasibility study, convey its approval for installing the Renewable Energy Generating System. The approval shall indicate the maximum permissible capacity of the System, and shall be valid for a period of 6 months from the date of approval, or such extended period as may be agreed to by the Distribution Licensee;

If found not technically feasible the reason for the same shall be intimated to the applicant within 20 working days from the date of registration of the application;

- 15.10 The Applicant shall, within the period of validity of such approval, submit the work completion report, along with relevant details (such as technical specifications, test reports received from manufacturer/system provider, safety certificate from CEIG as may be applicable etc.), and hand over the Generation/consumer meter with a request to the Distribution Licensee (if the meter is not already tested) for the testing and commissioning of the Renewable Energy Generating System;
- 15.11 The Distribution Licensee shall complete the testing of generation/consumer meter, hand over the generation meter back to the applicant to be installed in the system by the applicant and the Licensee shall complete testing and commissioning of the System within 20 working days from receipt of such request and shall install the bidirectional meter and synchronise the Renewable Energy Generating System within 10 days thereafter;
- 15.12 The applicant and Licensee shall enter in to agreement in the prescribed format after the solar system is installed but before it is synchronized with the network;
- 15.13 The commissioning test of the GISS shall be carried out in the presence of representatives of consumer/owner of GISS, and concerned officer of the distribution licensee. The commissioning certificate shall be signed by all the above named parties;
- 15.14 The Commissioning certificate must contain the following details:
  - i. Details of Solar PV panels including name of the manufacturer, type, size/capacity, number of the panels, etc.;
  - ii. Details regarding inverter, such as Make, rating, type, sl.no etc.,
  - iii. Total capacity of the GISS;
  - iv. Details of meter installed along with details such as Make, types ,rating, accuracy, serial number, etc.;
- 15.15 The formats of contract agreement and installation certificate shall be placed in the web portal of the licensee;
- 15.16 The application tracking mechanism based on the unique registration number shall be provided by the distribution licensee through web-based module or any other mode to monitor the status of processing of the application like receipt of application, site inspection, meter installation, commissioning, etc;
- 15.17 Consumer shall have the option of purchasing the requisite meter from authorised vendors which has been tested and sealed by the licensee or the meter shall be tested at licensee's lab with time limit stipulated or got tested by the consumer at other authorised lab;
- 15.18 The timelines as specified in these regulations shall be adhered to by the Licensee;

## **16. Access and Disconnection**

- 16.1 The prosumer shall provide access to the Licensee to the metering equipment and disconnecting devices of Renewable Energy Generating System, both automatic and manual;
- 16.2 In an emergent or outage situation, if the Licensee is unable to access the disconnecting devices of the Renewable Energy Generating System, both automatic and manual, the Licensee may disconnect power supply to the premises;
- 16.3 Upon termination of this Agreement, the prosumer shall disconnect the Renewable Energy Generating System forthwith from the Network of the Licensee;

## **17. Connection Agreement**

- 17.1 The Distribution Licensee and Eligible Consumer/generator shall enter into a Connection Agreement after approval of connectivity of the GISS with the distribution Network but before commencement of actual generation from the System;
- 17.2 A model Connection Agreement is provided at Annexure, which the Distribution Licensee may modify suitably, subject to consistency with these Regulations;

17.3 The Connection Agreement shall remain in force for twenty five years:

Provided that the prosumer / generator may terminate the Agreement at any time by giving 90 days' notice to the Distribution Licensee;

17.4 Any prosumer / generator, who intends to discontinue net metering arrangement with the distribution licensee shall be allowed, subject to a written notice to the distribution licensee made at least one month in advance. Any excess energy generation remaining unadjusted as on the date of termination of the agreement shall not be adjusted by the distribution licensee;

Provided further that the Distribution Licensee may terminate the Agreement by giving 30 days' notice, if the prosumer / generator breaches any term of the Agreement and does not remedy such breach within 30 days, or such other longer period as may be provided, of receiving notice from the Licensee of such breach, or for any other valid reason to be communicated in writing:

Provided also that the Distribution Licensee may terminate the Agreement by giving 15 days' notice in case the prosumer / generator fails to pay his dues in a timely manner or indulges in any malpractices:

Provided also that the Agreement may be terminated at any time by mutual consent:

17.5 Any unbilled energy generation as on the date of termination of the agreement shall be paid within one month from the date of termination of agreement by the distribution licensee;

17.6 The prosumer / generator shall, upon termination of the Agreement, disconnect forthwith his GISS from the Distribution Licensee's Network;

17.7 The Agreement may be extended by in slabs of five years after the expiry of 25 years and Licensee and prosumer shall get the agreement extended till the GISS installation generates power to its prolonged life period;

#### **18. Power to issue directions**

Subject to provisions of the Act, the Commission may from time to time issue such directions and orders as considered appropriate for implementation of these Regulations;

#### **19. Power to relax**

The Commission may by general or special order, for reasons to be recorded in writing, and after giving an opportunity of hearing to the parties likely to be affected, may relax any of the provisions of these Regulations on its own motion or on an application made before it by an interested person;

#### **20. Power to amend**

The Commission may from time to time add, vary, alter, suspend, modify, amend or repeal any provisions of these Regulations for reasons to be recorded;

#### **21. Power to remove difficulties**

If any difficulty arises in giving effect to the provisions of these Regulations, the Commission may, by an order, make such provisions, not inconsistent to the provision of the Act and these Regulations, as may appear to be necessary for removing such difficulty;

(By Order of the Tamil Nadu Electricity Regulatory Commission)

Chennai-600 032,  
8th October 2021.

S. CHINNARAJALU,  
Secretary,  
*Tamil Nadu Electricity Regulatory Commission.*

### EXPLANATORY STATEMENT

The following Regulations is framed by the Commission in exercise of the powers conferred by section 181 read with Sections 61, 66, 86(1) (e) of the Electricity Act, 2003 (Central Act 36 of 2003) and all other powers enabling it in this behalf;

2. The M.P No.14 filed by the TANGEDCO, requires the Commission to fix the generic tariff for solar power for which framing of Regulation is necessary to entail various enabling provisions for implementation tariff so fixed;

3. The Commission had earlier notified (Notification No.TNERC/TR/5/3, Dated 26-05-21 ) the enabling provision to recover the network cost from the consumers under Regulation 70 of TNERC (Terms and Conditions for determination of Tariff) Regulations, 2005;

4. The Electricity ( Rights of Consumers ) Amendment Rules 2021 mandates State Commissions enactment of Regulation for Grid Interactive Solar PV generation System ( GISS ) for implementation of Net-metering, Net feed-in and Gross metering mechanism in exercise of powers conferred under section 181 of the Act;

5. The above set of legal requirements constitute the need to lay down the regulation for Grid Interactive Solar PV Energy Generating System (GISS) to further evolve and determine the generic tariff for various categories of consumers / prosumers / generators under different metering mechanisms for implementation.

The proposed regulation seeks to fulfill the above objects.

(By Order of the Tamil Nadu Electricity Regulatory Commission)

Chennai-600 032,  
8th October 2021.

S. CHINNARAJALU,  
*Secretary,*  
*Tamil Nadu Electricity Regulatory Commission.*

### Form – 1

#### Application Form for Installation of Grid- Connected Solar PV Energy Generating System

To:  
The Section Officer/Designated Officer  
Distribution Licensee  
[name of office]

Photo of  
applicant(s)

I. I / We herewith apply and request for Grid – Connected Solar PV Energy generating system to be connected to the service connection of following details:

1. Name(s) of applicant(s) in full	
2. Address of the premises at which the solar energy generation system is to be installed	
3. Address for communication	
4. Service connection number	
5. Service connection tariff	
6. Sanctioned Load / Contracted Demand	
7. Mobile number(s)	
8. Email ID	

9.	Proposed AC capacity of the solar system to be installed	
10.	Roof Top or Ground Mounted	
11.	Net Metering / Net Feed-in / Gross Metering	
12.	Solar grid inverter make, type and capacity	
13.	Solar grid inverter has automatic isolation protection (Y/N)?	
14.	Has a Solar Generation Meter been installed (Y/N)?	
15.	Make, capacity, Sl.No of the Generation meter	
16.	Expected date of commissioning of solar PV system.	

II. I / We agree to pay the required charges as demanded in accordance with the Rules, Codes and Regulations.

III. I / We agree to install the plant in accordance with the protection and Safety Standards as mandated in the Regulations relating to Safety.

IV. I / We agree to enter into the agreement as per the Regulation.

V. I agree to bear the entire cost of erection of separate service line, to inject the total generated power into the grid in case of gross metering arrangement.

Date:

Name(s) :

Signature(s) :

#### **Grid – Connected Solar Energy Application Acknowledgement**

Received an application for Grid – Connected Solar Energy Generating System

Name(s):

Date:

Service Connection number:

Application Registration No.:

Solar Plant Capacity:

Net Metering / Net Feed-in / Gross Metering :

Name of Officer:

Signature:

Designation/Licensee

List of documents attached with application form (to be uploaded)

1. Copy of ownership / lease deed in case of ground mounted solar energy generating system.
2. Proof of payment of registration fee.
3. Diagram showing the layout of premises, metering location and service line configuration etc., in case of gross metering.

(By Order of the Tamil Nadu Electricity Regulatory Commission)

Chennai-600 032,  
October 2021.

S. CHINNARAJALU,  
Secretary,  
*Tamil Nadu Electricity Regulatory Commission.*

**FORM – 2****Grid Interactive Solar PV Energy Generating System (GISS)- Agreement**

This Agreement is made and entered into at (location) ..... on this (date).....day of (month)..... of.....(year) between the Eligible consumer/ prosumer / generator, residing at (address) as first party.....  
.....  
.....

AND

.....Distribution Licensee ( herein after called as Licensee ) and having its registered office at (address).....as second party of the agreement

And whereas, the Licensee agrees to permit to connect the eligible consumer's/ prosumer's /Generator's GISS (Grid Interactive PV Solar Energy Generating System) of Contracted Capacity of ..... watts at the premises of ..... and as per conditions of this agreement and regulations / orders issued by the Tamil Nadu Electricity Regulatory Commission, from time to time for Net Metering / Net Feed-in / Gross Metering Mechanism.

Both the parties hereby agree to as follows:

**1. Eligibility**

Eligibility for Net Metering / Net Feed-in / Gross Metering shall be as specified in the relevant Regulations / Codes / Orders of the Tamil Nadu Electricity Regulatory Commission as amended. Eligible consumer /prosumer /generator is required to be aware, in advance, of the standards and conditions with which his system has to operate safely with coupled integration with the grid / distribution system of the Licensee.

**2. Technical and Interconnection Requirements**

2.1. The eligible consumer/prosumer/generator agrees that his GISS plant /station shall conform to the standards and requirements specified in the following Regulations and codes as amended from time to time.

- (i) CEA's (Technical Standards for connectivity of the Distributed Generating Resources) Regulations, 2013.
- (ii) Central Electricity Authority (Installation and Operation of Meters) Regulation, 2006.
- (iii) Central Electricity Authority (Measures of Safety and Electric Supply) Regulation, 2010.
- (iv) Tamil Nadu Electricity Regulatory Commission's (Grid Interactive Solar PV Energy Generating Systems) Regulation, 2021
- (v) Tamil Nadu Electricity Distribution Code.
- (vi) Tamil Nadu Electricity Supply Code.

2.2 Eligible consumer/prosumer/generator agrees that he has installed or will install, prior to connection of GISS to Licensee's distribution system, an isolation device (both automatic and inbuilt within inverter and external manual relays) and agrees for the Licensee to have access to and operation of this, if required and for repair & maintenance of the distribution system.

2.3 Eligible consumer/ prosumer/ generator agrees that in case of a power outage on Licensee's system, GISS will shut down, automatically and his plant will not generate power.

2.4. All the equipment connected to distribution system must be compliant with relevant international (IEEE/IEC) or Indian standards (BIS) and installations of electrical equipment protective devices, earthing standard etc., must comply with Central Electricity Authority (Measures of Safety and Electricity Supply) Regulations, 2010 as amended from time to time.

2.5. Eligible consumer/Prosumer/generator agrees that Licensee will specify the interface / interconnection point and metering point.

2.6. Eligible consumer/ prosumer / generator and licensee agrees to comply with the relevant CEA regulations in respect of operation and maintenance of the plant, drawing and diagrams, site responsibility schedule, harmonics, synchronization, voltage frequency, flicker etc.

2.7. Due to Licensee's obligation to maintain a safe and reliable distribution system, eligible consumer/prosumer/generator agrees that if it is determined by the Licensee that eligible consumer's/ prosumer's/ generator's GISS either causes damage to and / or produces adverse effects affecting other consumers or Licensee's assets, eligible consumer/prosumer/generator will have to disconnect his GISS immediately from the distribution system upon direction from the Licensee and correct the problem at his own expense prior to a reconnection.

2.8 Both parties of this agreement are mandated by the Tamil Nadu Electricity Regulatory Commission's (Grid Interactive Solar PV Energy Generating Systems) Regulation, 2021 and all relevant regulations, codes and orders of the Tamil Nadu Electricity Regulatory Commission.

### **3. Clearances and Approvals**

3.1. The eligible consumer/ prosumer/generator agrees to obtain all the necessary approvals and clearances (environmental and grid connected related) before connecting the GISS to the distribution system.

### **4. Access and Disconnection**

4.1. The eligible consumer/ prosumer/generator shall provide access to Licensee to metering equipment and disconnecting devices of GISS, both automatic and manual, at all times.

4.2. In emergency or outage situation, where there is no access to a disconnecting means, both automatic and manual, such as a switch or breaker, Licensee may disconnect service to the premises.

4.3. Upon termination of this agreement the eligible consumer/prosumer/generator shall disconnect the solar system forthwith from the network of the licensee.

### **5. Liabilities**

5.1. Eligible consumer/prosumer/generator and Licensee will indemnify each other for damages or adverse effects from either party's negligence or intentional misconduct in the connection and operation of GISS or Licensee's distribution system.

5.2. Licensee and eligible consumer/prosumer/ generator will not be liable to each other for any loss of profits or revenues, business interruption losses, loss of contract or loss of goodwill, or for indirect, consequential, incidental or special damages, including, but not limited to, punitive or exemplary damages, whether any of the said liability, loss or damages arise in contract, or otherwise.

5.3. Licensee shall not be liable for delivery or realization by eligible consumer/prosumer/generator for any fiscal or other incentive provided by the Central / State government beyond the scope specified by the Commission in its relevant Order.

#### **6. Commercial Settlement**

6.1. The feed-in tariff contracted to be paid by the Licensee to the eligible consumer/ prosumer / generator under this agreement by ..... Metering mechanism is Rs..... (Rupees.....) as per the orders of the TNERC, Number..... Dated.....

6.2 Metering System, Billing and all other charges and the commercial settlement under this agreement shall be as per the regulations / codes / orders of TNERC amended from time to time.

6.3. The Licensee shall not be liable to compensate the eligible consumer/ prosumer/ generator if his solar system is unable to inject power into Licensee's network on account of failure of power supply in the grid.

#### **7. Connection and Maintenance Costs**

7.1. The eligible consumer/ prosumer/generator shall bear all costs related to setting up of photovoltaic system including metering and interconnection and infrastructure for power evacuation costs.

7.2. The eligible consumer/prosumer/generator agrees to pay the actual cost of modifications and upgrades to the service line/ power evacuation line required to connect GISS in case it is required.

7.3. In case of gross metering arrangement, the eligible consumer/ generator shall bear entire cost of erection and maintenance of separate service line to be laid to evacuate its total generated power into the grid.

#### **8. Period of Agreement and Termination**

8.1. This agreement shall be for a period of twenty five years, but may be terminated prematurely by mutual consent.

8.2. The eligible consumer / prosumer/ generator can terminate agreement at any time with Licensee by providing 90 days prior notice.

8.3. Licensee has the right to terminate agreement on 30 days prior written notice, if eligible consumer/prosumer/generator breaches terms of this agreement and does not remedy the breach within 30 days from the date of receiving written notice from the Licensee.

8.4. Licensee has the right to terminate agreement after giving 15 days' notice in case the eligible consumer /prosumer/ generator fails to pay his dues in a timely manner or indulges in any malpractices.

8.5. Eligible consumer/prosumer/generator agrees that upon termination of this agreement, he must disconnect the GISS from Licensee's distribution system in a timely manner and to Licensee's satisfaction.

In the witness, whereof of Mr. .... for and on behalf of ... (Eligible consumer/prosumer/generator) and Mr. .... for and on behalf of..... (Licensee) sign this agreement in two originals.

Eligible consumer/prosumer/generator

Distribution Licensee

Name

Name

(By Order of the Tamil Nadu Electricity Regulatory Commission)

Chennai-600 032,  
8th October 2021.

S. CHINNARAJALU,  
Secretary,  
*Tamil Nadu Electricity Regulatory Commission.*

**GOVERNMENT EXAMINATIONS / EDUCATIONAL OFFICERS**  
**LOSS OF CERTIFICATES**

It is hereby notified that the Original Higher Secondary Certificates / Matriculation Certificates / Diploma Certificates / School Certificates of the following pupils are reported to have been lost beyond recovery. Necessary steps are being taken to issue the duplicate of the said Certificates. If the Originals were to be found by anybody, they should be treated as invalid and sent to the Secretary, Board of Higher Secondary Examination / Directorate of Government Examinations, Chennai-6 / Director of Technical Education, Chennai-25 / Inspector / Inspectress of Matriculation and Anglo-Indian Schools as the case may be for cancellation:-

<b>சி.என்.சி.</b>	<b>மாணவர்/மாணவி பெயர்,</b>	<b>பதிவு/</b>	<b>மாதம்</b>	<b>தேர்வின் விவரம்.</b>	<b>கடித எண்ணும்,</b>
<b>எண்.</b>	<b>பள்ளியின் பெயர் மற்றும் சான்றிதழ் எண்.</b>	<b>மற்றும் வருடம்.</b>			<b>தேதியும்.</b>
	<b>கல்வி மாவட்டம்.</b>				

<b>(1)</b>	<b>(2)</b>	<b>(3)</b>	<b>(4)</b>	<b>(5)</b>	<b>(6)</b>
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No. VI(2)/109/2021.

R. Gandhiya SBG SM Teachers Training Institute Melakodumalur.	0612989 TTI 911549	December 2006	ஆசிரியர் கல்வி பட்டப்பம்	ந.க. எண் 223131/சி1/2021, 30-09-2021
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க. செல்வக்குமார்,  
 செயலாளர்,  
 இணை இயக்குநர் (பணியாளர்),  
 மாநிலப்பள்ளித் தேர்வுகள் வாரியம்,  
 தமிழ்நாடு மற்றும் அரசுத் தேர்வுகள் இயக்ககம்,  
 சென்னை-600 006.